

IN THE ABSTRACT

Please amend the Abstract as follows:

~~The invention relates to a~~ A plate heat exchanger for exchanging heat between a first air stream ~~(11, 12)~~ and a second air stream ~~(13, 14)~~ ~~comprising~~ includes a plurality of plates ~~(1)~~ limiting first and second exchange chambers which are serially arranged in a transversal direction with respect to ~~said the~~ plates ~~(1)~~. The A first air stream of outside air passes through ~~one part of~~ the first exchange chambers ~~(11, 12)~~, ~~the~~ a second air stream originating from ventilated rooms passes through the ~~other~~ second exchange chambers ~~(13, 14)~~, ~~preferably in an opposite direction. The second air stream consists of the air (13) removed from ventilated premises.~~ The heat exchanger further includes an ionization device for ionizing particles entrained in the first air stream so that the particles deposit at conductive plates of the first exchange spaces, a water distribution system for periodically discharging water into the first exchange spaces for cleaning the plates of the heat exchanger from deposited particles, and a water collection device for discharging collected water.